

# **SHUTTER PROGRAM**

**[www.RoyalWindowsInc.com](http://www.RoyalWindowsInc.com)**

## **CORPORATE OFFICE**

**606 Fountain Parkway, Grand Prairie TX 75050**

**Tel 214.412.1189 or 800.872.2693 Fax. 214.412.1188 or 800.422.2693**

**Email : [sales@royalwindowsinc.com](mailto:sales@royalwindowsinc.com)**

## **SHUTTER PLANT**

**3109 E.Randol Mill Road, Arlington, TX 76011**

**Tel 817.200.2000 or 866.793.1835 Fax. 817.855.0090 or 800.793.1883**



(Horizontal Louvers available)



(Horizontal Louvers available)



(Horizontal Louvers available)



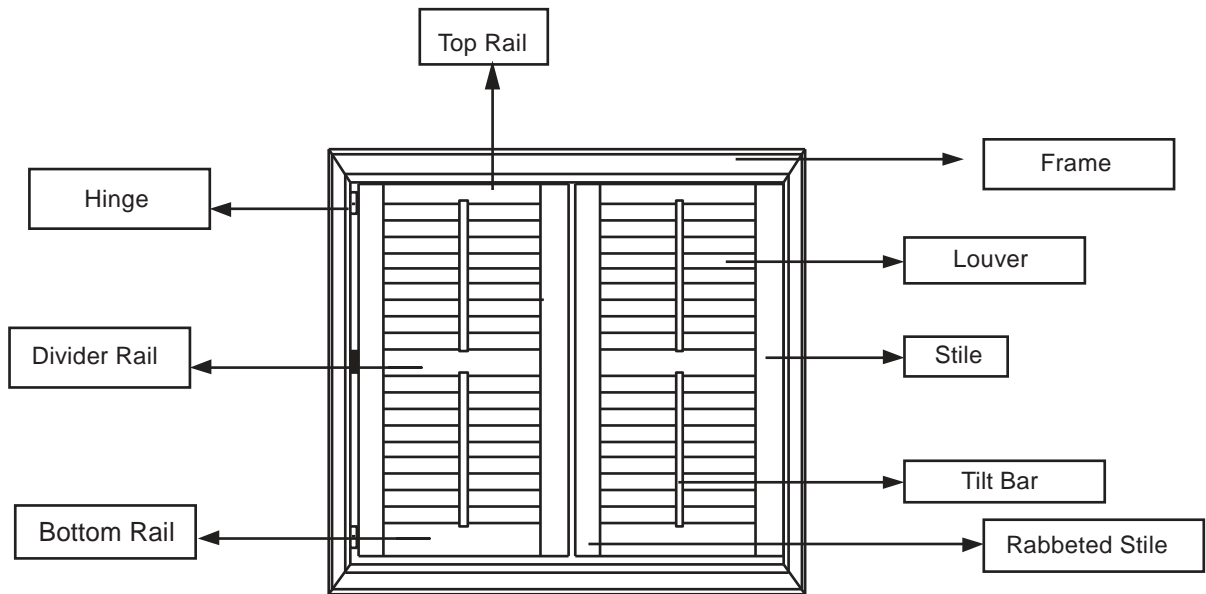
OCTAGON (Sunburst)



OCTAGON (Horizontal Louvers)



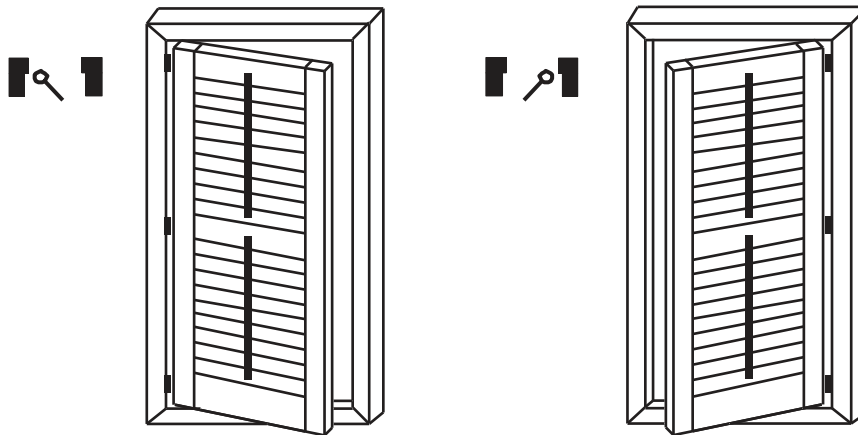
# SHUTTER COMPONENTS



## PANEL CONFIGURATION DIAGRAMS

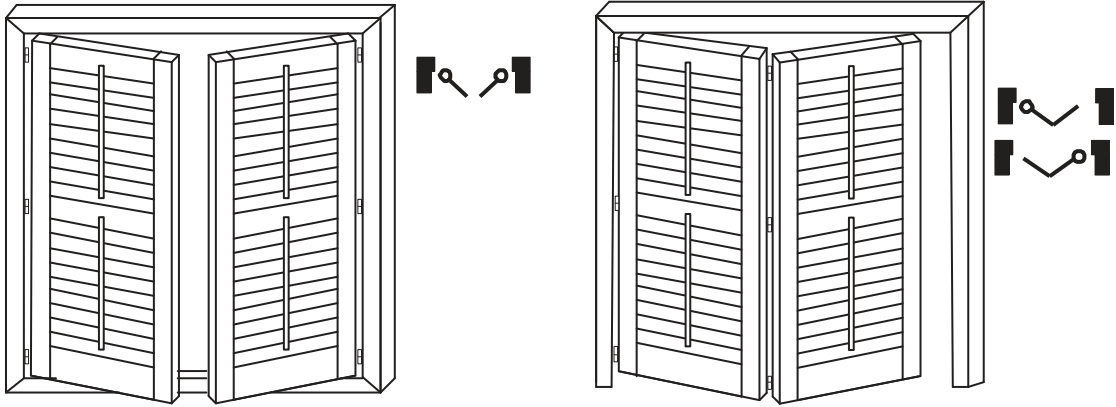
### Standard Hinge and Bi-Fold (without track)

**Picture 1:** P1 L or P1 R; 2, 3 or 4-sided frame

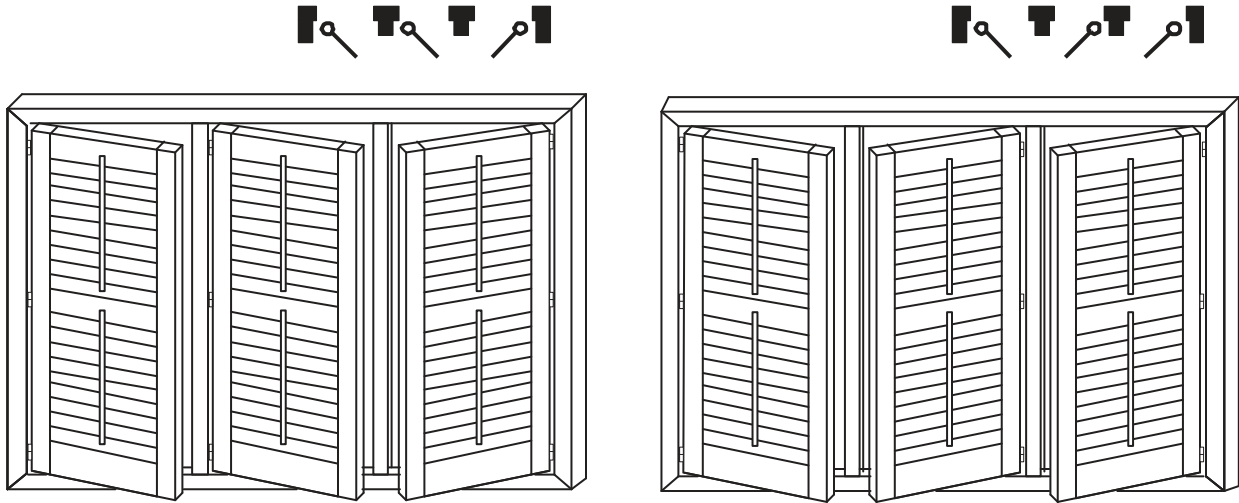


	Minimum Width	Maximum Width	Minimum Height
Century Wood Shutters	8"	34"	12"
True Value Wood Shutters	8"	34"	16"
Woodwinds Plantation Shutters	8"	34"	16"
Avondale	9"	36"	20"

**Picture 2:** P2 LR, P2 LL or P2 RR; 2, 3 or 4-sided frame



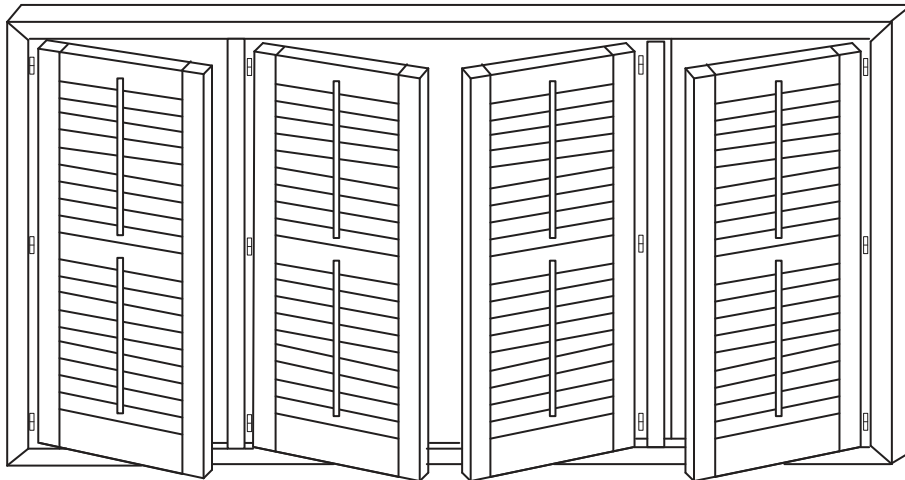
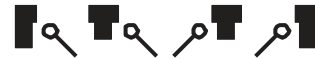
**Picture 3:** P3 L T L T R or L T R T R; 2, 3 or 4-sided frame



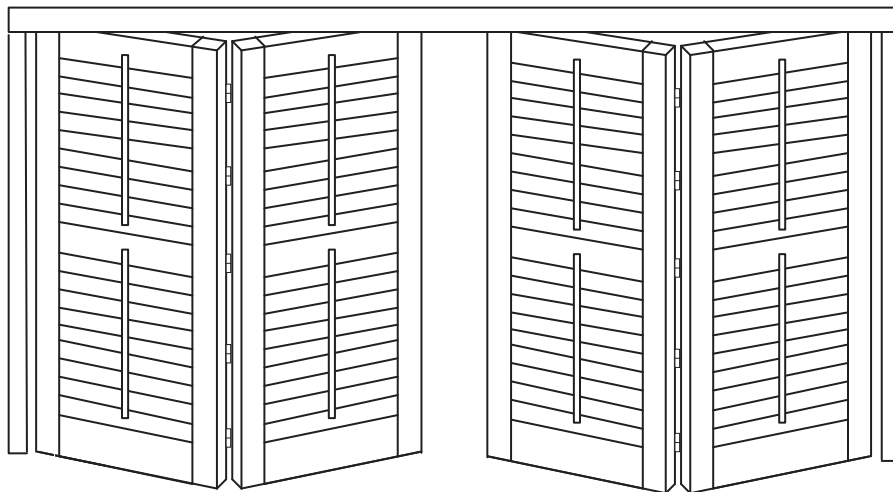
**Picture 4:** P4 LR T LR; 2, 3 or 4-sided frame



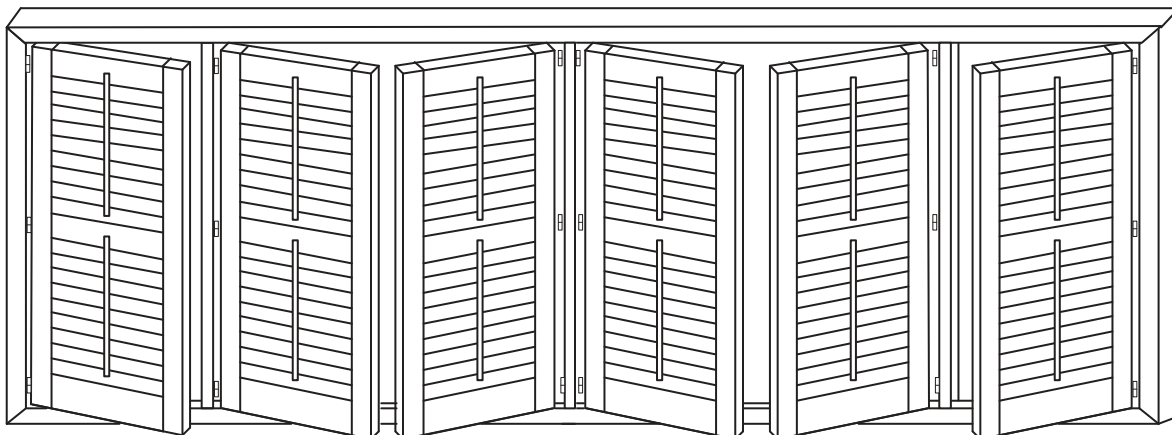
**Picture 5:** P4 L T LR T R; 2, 3 or 4-sided frame



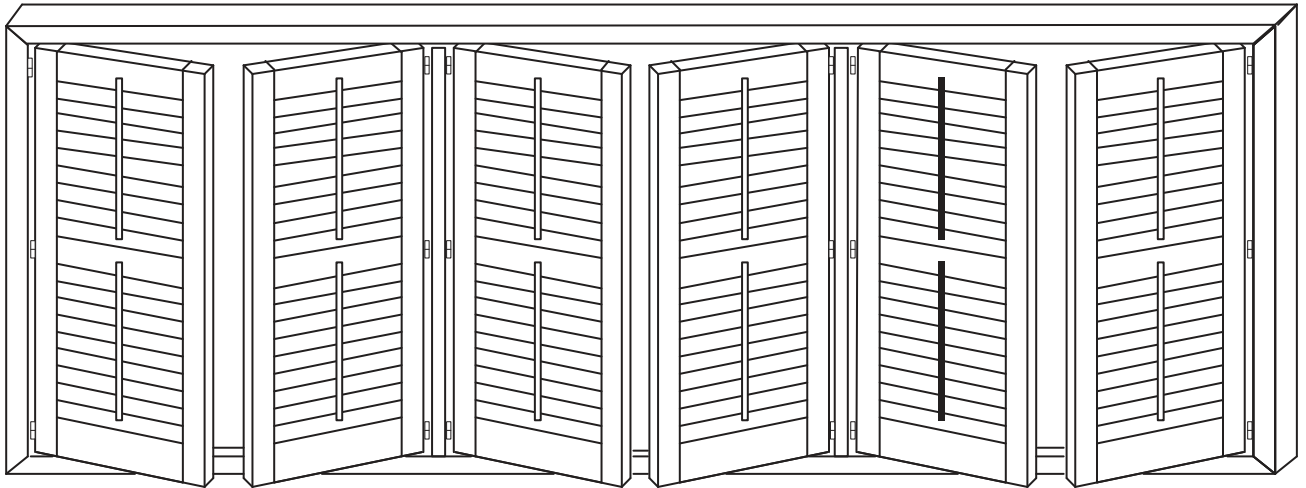
**Picture 6:** P4 LL RR; 2, 3 or 4-sided frame



**Picture 7:** P6 L T LR T LR T R; 2, 3 or 4-sided frame

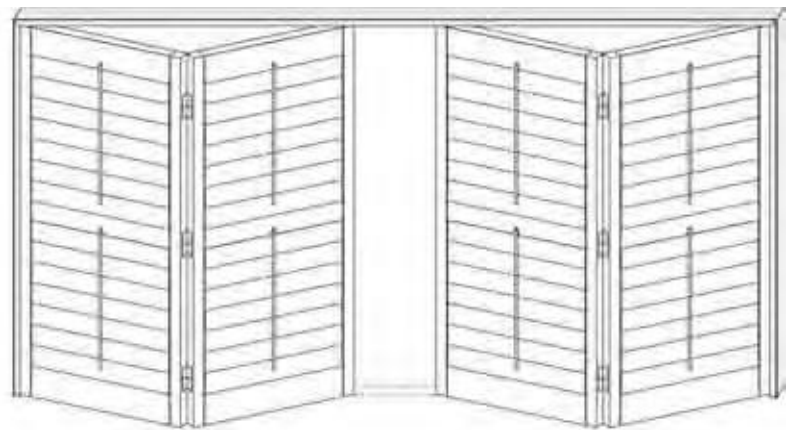
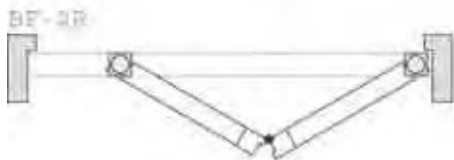
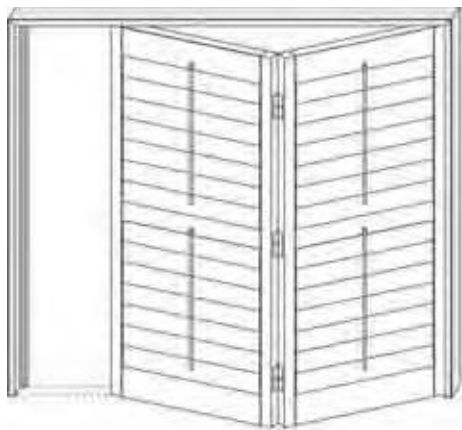


**Picture 8:** P6 LR T LR T LR; 2, 3 or 4-sided frame



### Bi-Fold Track

**Picture 9:** BF-2R or BF-2L, BF-2L/2R; with or without box out

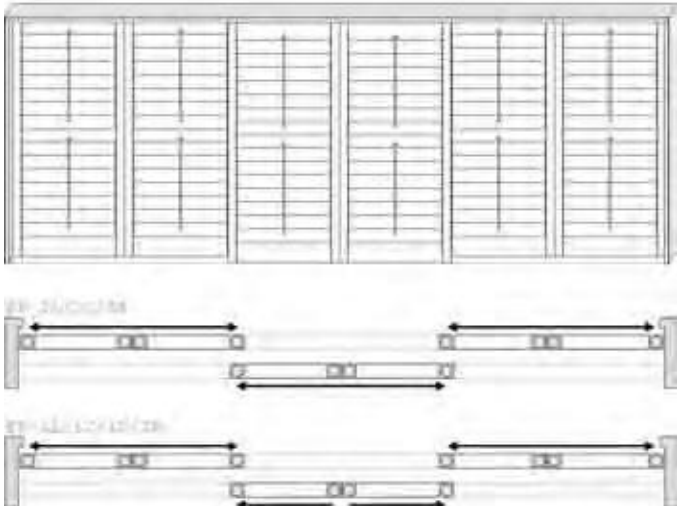


**Bypass Track**

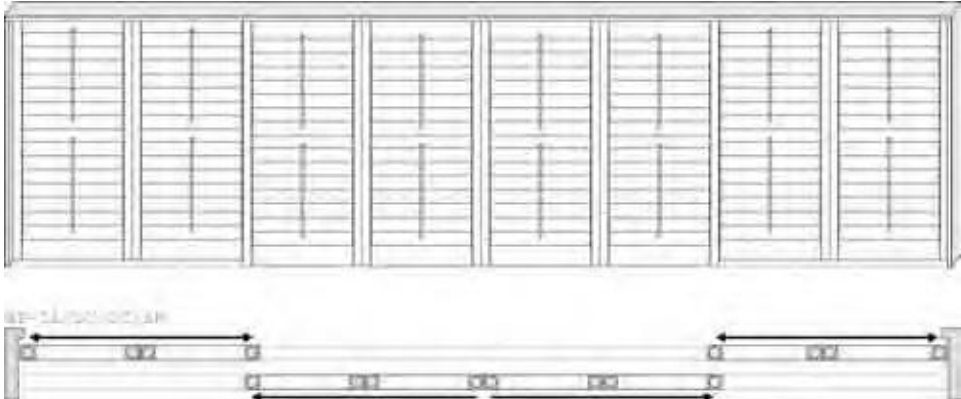
**Picture 10:** BP-1L/1R or BP-1L/1C/1R; with or without box out



**Picture 11:** BP-1L/1C/1C/1R or BP-2L/2R; with or without box out



**Picture 12:** BP-2L/2C/2C/2R; with or without box out



## **PANELS**

### **Panel Configurations**

**Panel Configuration** designates the number of panels in a window opening (Figure 1).

- **Single panel** : one panel hanging from a set hinges in an opening
- **Double panel** : two openings in the same opening hinged on opposite sides of the opening
- **Multiple panels** : three or more panels installed in a single opening, divided by T-posts
- **Bi-fold panels** : two panels hanging off the same set of hinges.
- **Double-hung panels** : panels mounted above each other in a style of a Dutch door

### **Important note on double-hung shutters:**

We **STRONGLY** recommend all double hung shutters to be installed with a Woodwinds Plantation Shutter frame in order to maximize the stability of the double shutter panels.

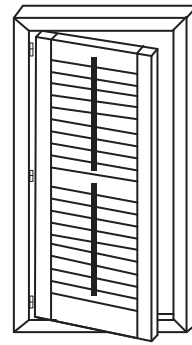
Double-hung panels offer the maximum in shutter adjustability; however, without proper design, double hung panel sets can sag and perform improperly. Double-hung bi-fold shutters must be designed so that the total combined width of the hinged panels is less than the combined height of the panels.

**The height of the panel sets must be greater than the width. Panel sets ordered with a width calculation greater than the height calculation will not be accepted.**

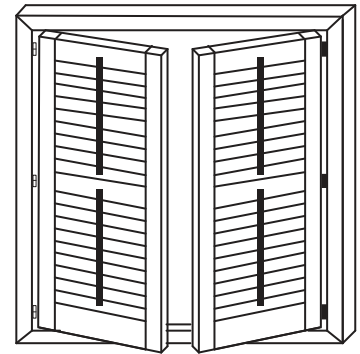
Instead, we encourage customers to order single or double panel shutters with a divider rail.

Woodwinds Plantation Shutters are a versatile window treatment, allowing for many different panel configurations to fit most windows and doors.

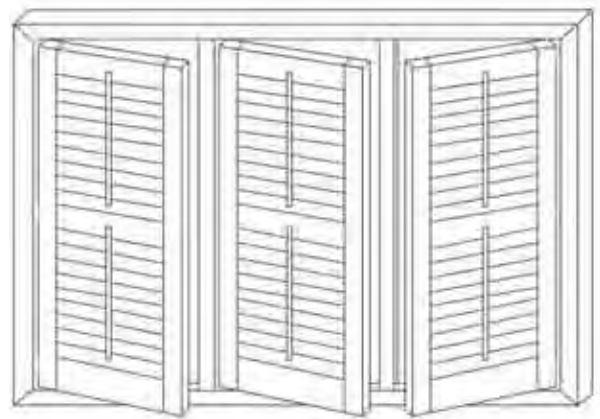
Figure 1



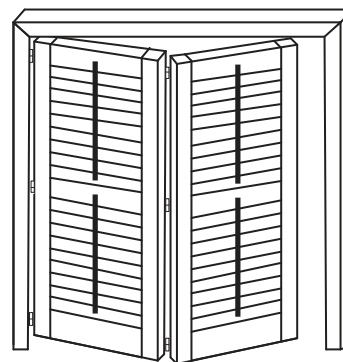
SINGLE PANEL



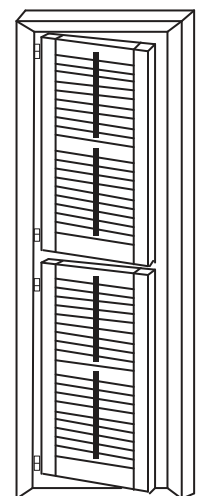
DOUBLE PANEL



MULTIPLE PANELS



BI - FOLD PANELS



DOUBLE HUNG PANELS



## PANELS

### Panel Configuration Diagrams

Panel configuration diagrams detail the manner in which standard hinged panels and bi-fold panels open, close and fold using hinges (Figure 2 ). When ordering standard hinge and bifold Plantation Shutters, you must record the panel fold configuration on the order form in both writing and as a sketch to make sure the shutter is built correctly in the proper configuration.

#### In Writing:

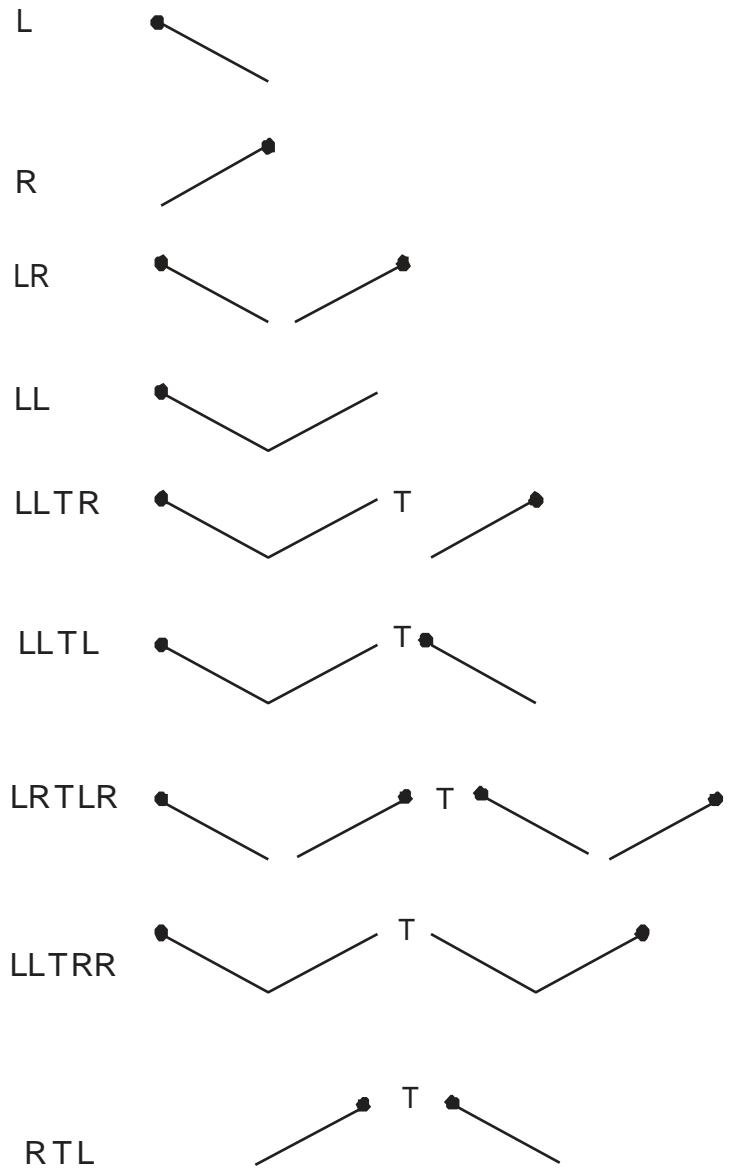
- A letter stands for each individual panel.
- The direction the panel folds is indicated using the letters “L” for left and “R” for right.
- Double letter combinations indicate bi-fold panels.
- The letter “T” indicates the location of a T-post. PLEASE NOTE: T-posts are **not** used in shutter units with the bi-fold track system.

#### As a Sketch:

- A small circle indicates the point where a panel is hinged to the wall, T-post or frame. The small circle also indicates a pivot when describing a shutter unit with track system.
- Thin lines are drawn to indicate individual panels as seen from overhead.
- Lines that are linked indicate bi-fold panels.
- A break in a line indicates where panels meet.
- The letter “T” indicates the location of a T-post. PLEASE NOTE: T-posts are **not** used in shutter units with track systems.

Figure 2 shows examples of some of the more common panel configurations to demonstrate how these diagrams should appear on the completed order form.

Figure 2



Panel configuration diagrams for standard hinged and bi-fold shutter units. Draw the panel fold configuration for each shutter in the appropriate box on the Woodwinds Plantation Shutter Order Form. Please use the same notations as listed at left and the same sketches as shown above.

We do not require customers to draw panel configuration diagrams for shutter units with the bypass track system.

## FRAMES

### Frame Configurations

Woodwinds Plantation Shutters look and function best with a Woodwinds frame. These frames block light gaps and hide imperfections in openings that are not square. In addition, frames give Woodwinds Plantation Shutters a truly finished appearance. **PLEASE NOTE: Be sure to order shutter units as recommended to cover various applications. Comfortex will not warranty shutters improperly installed within openings that are out-of-square.**

Windows may be framed in the following ways, depending on the window application and the preference of the customer (Figure 3).

- 2 – sided frame
- 3 – sided frame
- 4 – sided frame
- 4 – sided frame with sill (Z-style frames only)
- 3 – sided door frame ( 3/8" bottom clearance)
- 2 – sided café frame
- 3 – sided inverted café frame
- 3 – sided inverted café with sill frame (Z-style frames only)

While it is possible to mount Woodwinds Plantation Shutters directly inside the opening, most openings are not perfectly square. These imperfections create unsightly light gaps between the panels and the opening that take away from the beauty of the panels. Woodwinds Plantation Shutter frames eliminate this problem by sealing all visible light gaps. Comfortex has several framing designs available to complement the structure of the window and the décor of the room. Each frame is designed for different window applications (Figure 4).

- Standard Z-frame: for inside mount applications
- Deluxe Z-frame: for inside mount applications
- Standard L-frame: for inside and outside mount applications
- Narrow Sill L-frame: for inside mount Z-frame applications \*
- Deep L-frame: required for flush mount applications with the 4<sup>1</sup>/<sub>2</sub>" louver and to provide extra clearance for obstructions in the window

Figure 3

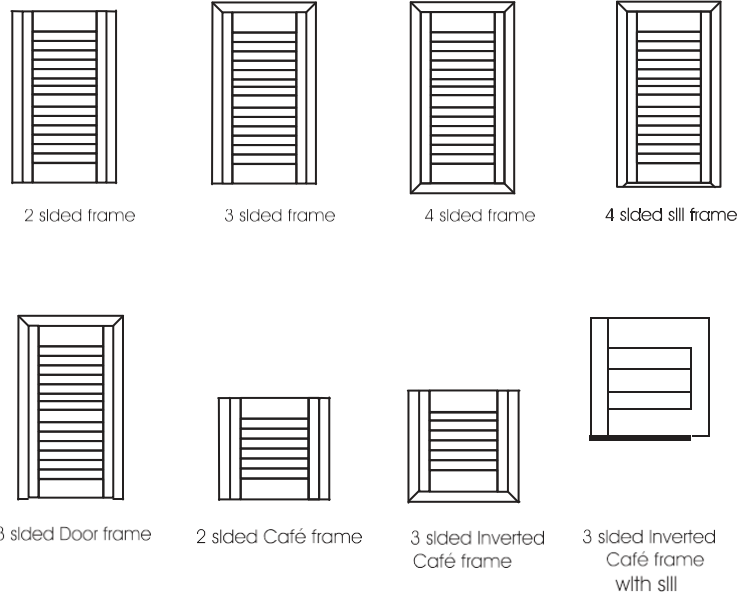
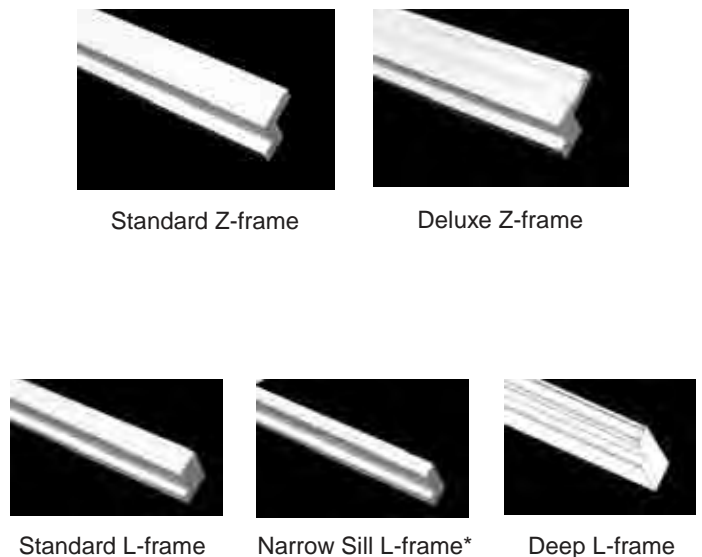


Figure 4



\* Sill frames should not be combined with the standard L-frame in a window opening. The profiles do not match up. The L-frame, by design, has a flat bottom and performs as sill frame when needed. The narrow sill L-frame is used as sill frame with Z-style frames only when specified.

## FRAMES

### Frame Dimensions

Figure 5 illustrates the respective measurements for each Woodwinds Plantation Shutter frame. Please take these dimensions into account as you are measuring an opening for shutters. Measurements reflected in the diagrams are in inches. Hinges come pre-attached to the adjustable hanging strip and all frame styles.

Unlike the other frames which are offered in composite wood, the Deep L-frame is available in 100% wood only.

### Hanging Strips and Light Stop

Comfortex offers two hanging strips: the fixed hanging strip and the routed, adjustable hanging strip. Both hanging strips accommodate openings where framing cannot be used (Figures 5 and 6).

**Fixed:** The fixed hanging strip is a piece of composite wood that is attached directly to the wall on opposite sides of the opening. The shutter panels are mounted to these pieces with wrap hinges. Hinges do not come pre-attached to the fixed hanging strip due to issues with alignment.

**Adjustable:** The adjustable hanging strip is made from the same composite wood, but has custom routed grooves that allow for minor adjustments during the installation process. Wrap hinges or U-wrap hinges are also used to attach panels to the adjustable hanging strip. Hinges come pre-attached to the adjustable hanging strip. **In cases where a hanging strip must be used, Comfortex recommends the use of the adjustable hanging strip** (Figure 6).

**Light Stop:** Light stop is recommended when using hanging strip to block light leakage along the top and bottom of the shutter (Figure 5). Light stop is available in composite wood and in 100% wood. Composite wood is standard. If preferred, 100% wood light stop must be specified at the time the order is placed.

Figure 5

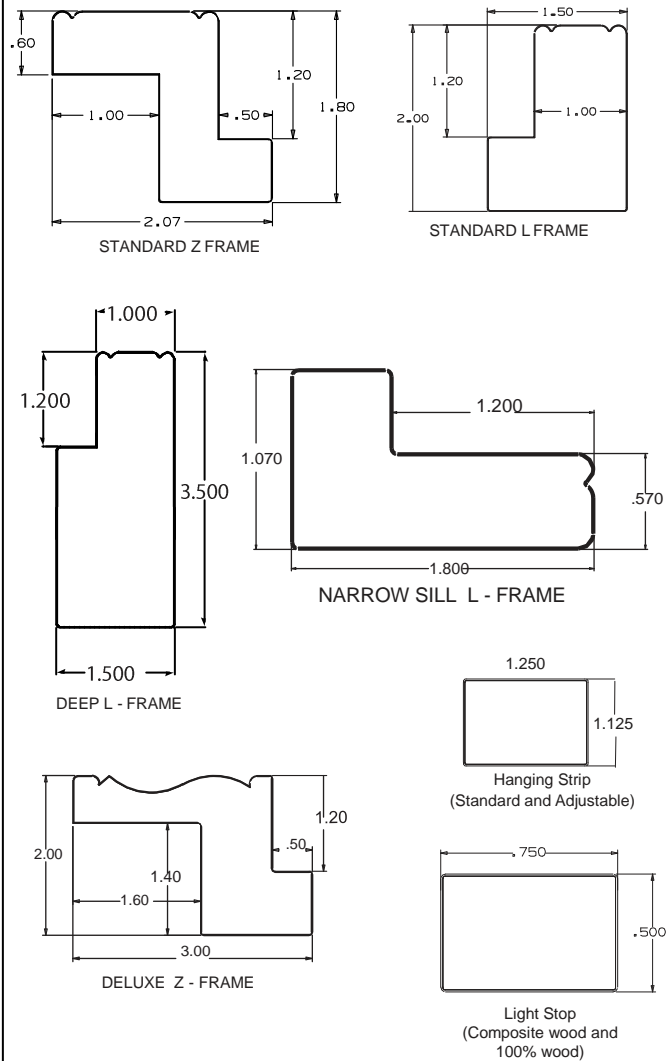
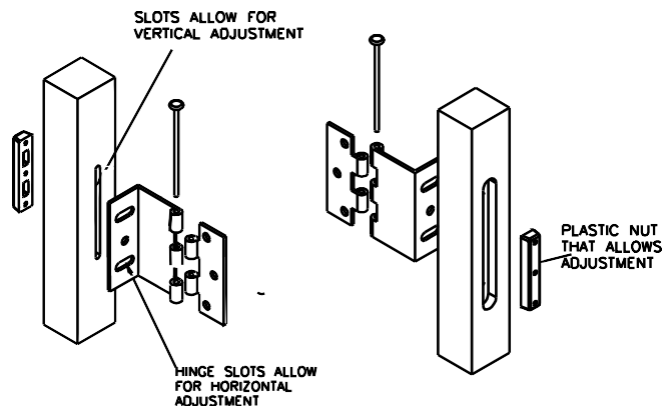


Figure 6



## **FRAMES**

### **T-Posts**

The T-post is a versatile structural component inserted vertically into shutter frames to separate shutter sections and allow for the placement of more panels within the same window opening. The T-post is designed to blend beautifully with each Woodwinds Plantation Shutter frame design (Figure 7).

Panels can be hinged to T-posts in the same manner they are hinged to a frame.

Panel widths must be specified so T-posts are properly spaced for the panel configuration ordered.

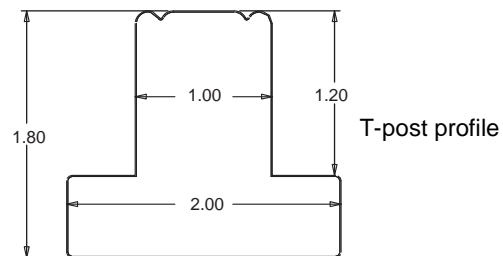
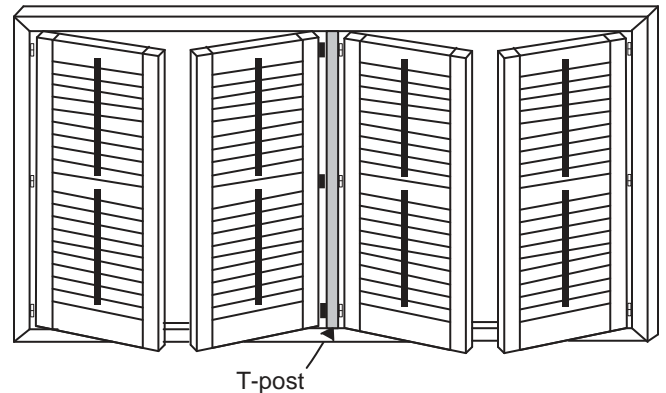
**To order unequal panel widths within the same window, T-posts must be incorporated into the panel configuration.**

To specify T-post placement, follow the directions below:

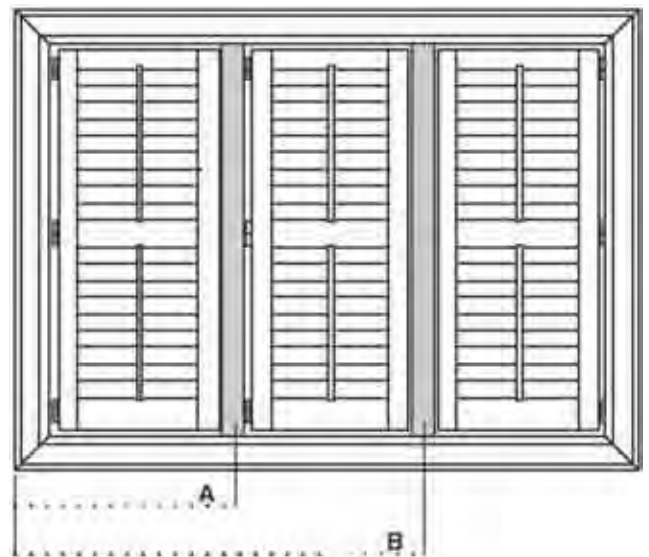
#### T-Post Placement (Figure 8)

1. Measure the inside width and height in three places. Use the smallest or largest measurements depending on the frame you will be using
2. Consider the deductions or additions for your chosen shutter or frame.
3. Note the number of panels, hinge style and hinge pattern.
4. From left edge of frame, indicate measurement to : Point A - Center of first T-post Point B - Center of second T-post, etc.

**Figure 7**



**Figure 8**



## **MEASURING**

### **Measuring Divider Rails**

Divider rails are measured from the bottom up.

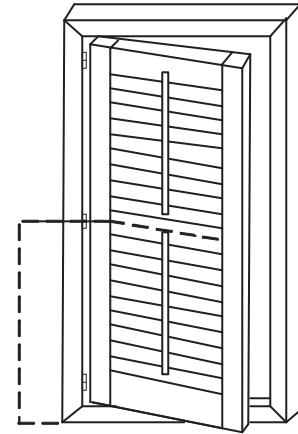
- Outside mount shutters: Measure from the bottom of the frame to the centerline of the desired divider rail (Figure 9).
- Inside mount shutters: Measure from the top of the sill or floor to the centerline of the desired divider rail (Figure 9).

The centerline location of divider rails may vary up or down by 1" on shutters with 2<sup>1</sup>/<sub>2</sub>" louvers, 1<sup>1</sup>/<sub>2</sub>" on shutters with 3<sup>1</sup>/<sub>2</sub>" louvers and 2" on shutters with 4<sup>1</sup>/<sub>2</sub>" louvers. If you require divider rails at exactly the same height on adjacent

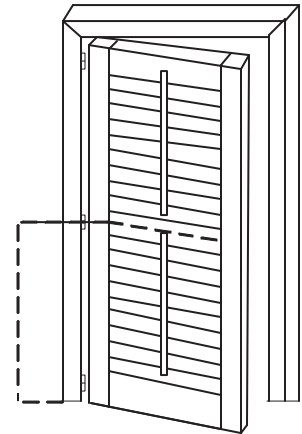
### **How to Specify Unequal Panel Sizes Within an Opening**

We encourage customers to try to divide all windows into equal panel widths; however, a situation may arise where adjustments have to be made depending on the window size or obstructions in the room.

**Figure 9**



Outside Mount Shutters: Measure from the bottom of the frame to the centerline of the desired divider rail.



Inside Mount Shutters: Measure from the top of the sill or floors to the centerline of the desired divider rail.

## ***Most Frequent Asked Questions***

### ***1. What types of shutter that Royal Windows offer?***

- **Century Wood Shutter** – Custom made hardwood shutter offering custom paint and stain matching. Made in U.S.A
- **Value Wood Shutter** –Custom-made imported wood shutter offering 20 stock colors.
- **Woodwind Shutter** – it is a composite wood shutter and available in 7 popular colors.
- **Avondale Shutter** – Engineered HSPVC Polyvinyl material made in China, available in 3 standard colors

### ***2. What is my price?***

Every product is different but all priced by square feet. It is width \* height then divided by 144. You will need to round it to the whole square feet even if it is 15.01 square feet, we will price as 16 square feet. Call our shutter department at 800-872 2693 or your sales representative for more details.

### ***3. Can I call to get my cost?***

To supply you with accurate quotes please fax or e-mail us the detail.

### ***4. What is my lead time?***

Production will begin, when we receive your 50% deposit. Century is estimated at 4 weeks production on Standard Shapes, 6-8 weeks production on Specialty Shapes (possible longer with stain). Value Wood is estimate 6-8 weeks. Woodwind is estimated minimum at 10 days.

### ***5. Do I have to give 50% deposit even I am net term account?***

Yes.

### ***6. Can Royal set up re-measure before I send deposit?***

No, we must receive your deposit before re-measuring.

### ***7. Can you rush it for me?***

We always try to do every job as fast as possible regardless of quantity and sizes.

### ***8. What happens when you make mistake?***

The OOPs policy does not apply for the Shutter Program. So you will be charged 100% of remake or actual repair/replace cost. All repairs and remakes will be put on the production line immediately and it will be done as soon as we can.

### ***9. What happens when Royal make mistake?***

We will either remake or repair your order ASAP at no additional cost to you.

### ***10. Can I combine 2 orders to avoid minimum charge?***

No.

### ***11. What is the information I need to give to Royal when I place order?***

We need the following: homeowner name, address, phone number, type of shutter, louver size, quantity, color, room location, estimate width and height, and any other information that you and the homeowner is concerned about. If you do not have frame style and configuration preference when you place the order, we will make decision for you and it will be final.

### ***12. Can Royal installer ask the homeowner for all detail information such as louver size, color, frame style, and configuration?***

Yes. But we will not be responsible.

### ***13. Is there any trip charges?***

The trip charges are already in your pricing, unless Homeowner is outside of normal area. We may not know until measured by installer.